

Wandi Zhang

List of Publications by Year in descending order

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papers

745
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840776

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#	ARTICLE	IF	CITATIONS
1	Rhodium-Catalyzed Aldehyde Arylation via Formate-Mediated Transfer Hydrogenation: Beyond Metallic Reductants in Grignard/Nozaki-Hiyami-Kishi-Type Addition. <i>Journal of the American Chemical Society</i> , 2019, 141, 1828-1832.	13.7	50
2	Conversion of Aldehydes to Branched or Linear Ketones via Regiodivergent Rhodium-Catalyzed Vinyl Bromide Reductive Coupling-Redox Isomerization Mediated by Formate. <i>Journal of the American Chemical Society</i> , 2019, 141, 6864-6868.	13.7	41
3	Selection between Diastereomeric Kinetic vs Thermodynamic Carbonyl Binding Modes Enables Enantioselective Iridium-Catalyzed <i>anti</i> -(\pm -Aryl)allylation of Aqueous Fluoral Hydrate and Difluoroacetaldehyde Ethyl Hemiacetal. <i>Journal of the American Chemical Society</i> , 2018, 140, 9392-9395.	13.7	23
4	Carbonyl <i>anti</i> -(\pm -Amino)allylation via Ruthenium Catalyzed Hydrogen Autotransfer: Use of an Acetylenic Pyrrole as an Allylmetal Pronucleophile. <i>Organic Letters</i> , 2017, 19, 4876-4879.	4.6	25
5	Catalytic Enantioselective Carbonyl Allylation and Propargylation via Alcohol-Mediated Hydrogen Transfer: Merging the Chemistry of Grignard and Sabatier. <i>Accounts of Chemical Research</i> , 2017, 50, 2371-2380.	15.6	234
6	Iridium-Catalyzed C-C Coupling of a Simple Propargyl Ether with Primary Alcohols: Enantioselective Homoaldol Addition via Redox-Triggered <i>Z</i> -Siloxyallylation. <i>Journal of the American Chemical Society</i> , 2015, 137, 16024-16027.	13.7	45
7	Assessing Cholesterol Storage in Live Cells and <i>C. elegans</i> by Stimulated Raman Scattering Imaging of Phenyl-Diyne Cholesterol. <i>Scientific Reports</i> , 2015, 5, 7930.	3.3	122
8	Enantioselective Ruthenium-Catalyzed Carbonyl Allylation via Alkyne-Alcohol C-C Bond-Forming Transfer Hydrogenation: Allene Hydrometalation vs Oxidative Coupling. <i>Journal of the American Chemical Society</i> , 2015, 137, 3161-3164.	13.7	78
9	Ruthenium Catalyzed Diastereo- and Enantioselective Coupling of Propargyl Ethers with Alcohols: Siloxy-Crotylation via Hydride Shift Enabled Conversion of Alkynes to β -Allyls. <i>Journal of the American Chemical Society</i> , 2015, 137, 13066-13071.	13.7	44
10	Divergent Total Syntheses of Lyconadins A and C. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3922-3925.	13.8	47
11	Synthesis of nitriles via palladium-catalyzed water shuffling from amides to acetonitrile. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9109-9112.	2.8	27